

## Product datasheet for **TP311340M**

### TRIM50 (NM\_178125) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens tripartite motif-containing 50 (TRIM50), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC211340 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAWQVSLPELEDRLQCPICLEVFKEPLMLQCGHSYCKGCLVLSCHLDAELRCPVCRQAVDGSSSLPNVS  
LARVIEALRLPGDPEPKVCVHHRNPLSLFCEKDQELICGLCGLLGSHQHHPVTPVSTVYSRMKEELAALI  
SELKQEQKKVDELIAKLVNNRTRIVNESDVFSWVIRREFQELHHLVDEEKARCLEGIGGHTRGLVASLDM  
QLEQAQGTRERLAQAECVLEQFGNEDHHKFKIRKFHSMASRAEMPQARPLEGAFSPISFKPGLHQADIKLT  
VWKRLFVKVLPAPEPLKLDPATAHPLLELSKGNTVVQCGLLAQRRASQPERFDYSTCVLASRGFSCGRHY  
WEVVVGSKSDWRLGVIKGTASRKGLNRSPEHGVWLIGLKEGRVYEAFACPRVPLPVAGHPHRIGLYLHY  
EQGELTFDADRPPDLRPLYTFQADFQGLYPILDTCWHERGSNSLPMVLPSPSGPGPLSPEQPTKL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	54.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_835226</a>



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Locus ID: 135892

UniProt ID: [Q86XT4](#), [Q2M204](#)

RefSeq Size: 2050

Cytogenetics: 7q11.23

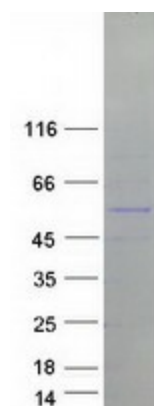
RefSeq ORF: 1461

Synonyms: TRIM50A

**Summary:** E3 ubiquitin-protein ligase that ubiquitinates Beclin-1/BECN1 in a 'Lys-63'-dependent manner enhancing its binding to ULK1. In turn, promotes starvation-induced autophagy activation. Interacts also with p62/SQSTM1 protein and thereby induces the formation and the autophagy clearance of aggresome-associated polyubiquitinated proteins through HDAC6 interaction.[UniProtKB/Swiss-Prot Function]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified TRIM50 protein (Cat# [TP311340]). The protein was produced from HEK293T cells transfected with TRIM50 cDNA clone (Cat# [RC211340]) using MegaTran 2.0 (Cat# [TT210002]).